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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/531,756	04/14/2005	Martin Raubuch	SC12303EM	2224

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AUSTIN, TX 78729

EXAMINER

PARTRIDGE, WILLIAM B

ART UNIT	PAPER NUMBER
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2112

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/19/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/531,756

Applicant(s)

RAUBUCH, MARTIN

Examiner

William B. Partridge

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 December 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 and 14-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 and 14-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 April 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

1. This action is in response to the amendment filed on 21 December 2006.
2. Claims 1, 2, and 5 have been amended.
3. Claims 11-13 have been canceled.
4. Claims 1-10 and 14-21 are rejected.
5. Claims 1-10 and 14-21 are pending and have been examined.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1-2 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Scales, III et al. (US 5,996,057 A).

Claims 1-2

The rejections of claims 1-2 in the previous office action are incorporated and further Scales III teaches:

a controller (Column 2 line 59 - Column 3 line 13, FIG. 2) The control register (as the control vector is contained within) used is specified by the operational code (Column 3 lines 3-4), and as such there must inherently be some physical control means to select said specified control register as input to the PWR operation logic..

Claim 5

The rejection of claim 5 in the previous office action is incorporated and further Scales III teaches:

providing a plurality of control registers (Column 2 line 59 - Column 3 line 13, FIG. 2);

providing a controller coupled between the plurality of control registers and the permutation logic block (Column 2 line 59 - Column 3 line 13, FIG. 2) The control register (as the control vector is contained within) used is specified by the operational code (Column 3 lines 3-4), and as such there must inherently be some physical control means to select said specified control register as input to the PWR operation logic.

Claims 3-4, 6-10 and 11-21

Claims 3-4, 6-10 and 11-21 stand rejected for the reasons set forth in the previous office action.

Response to Arguments

8. Applicant's arguments filed 21 December 2006 have been fully considered but they are not persuasive. In remarks, the applicant argues in substance:

(1) **The Scales, III et al. patent does not teach "control means coupled between the plurality of control registers and the permutation logic block" as recited in Claim 1, 2, and 5.**

Response

(1) Examiner believes that the above limitation was taught by Scales III et al. (US 5,996,057 A).

Scales teaches vector registers and a Permute-With-Replication (PWR) operation that is performed on two input vectors as specified by the control vector contained within a control register (Column 2 lines 59-66). **The control register (as the control vector is contained within) used is specified by the operational code (Column 3 lines 3-4), and as such there must inherently be some physical control means to select said specified control register as input to the PWR operation logic.** Without some way to physically select the register it would be impossible to specify a specific register for use from among the plurality of registers that are present. Accordingly Scales III teaches control means coupled between the plurality of control registers and the permutation logic block.

Conclusion

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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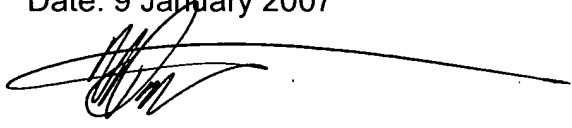
shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William B. Partridge whose telephone number is (571) 270-1402. The examiner can normally be reached on M-TR 7:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chameli Das can be reached on (571) 272-3696. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Examiner: William B Partridge
Date: 9 January 2007



Chameli C. Das
CHAMELI DAS
SUPERVISORY PATENT EXAMINER

1/9/07